

20030612.qrp v02_n949.qrl.20030612

Date: Thu, 12 Jun 2003 19:03:12 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2949

QRP-L Digest 2949

Topics covered in this issue include:

- 1) [152236] RE: GPS transmitters question
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 2) [152237] Everyone - Help!!
by "Brian Murrey - KB9BVN" <brian@iquest.net>
- 3) [152238] Code Warrior
by "Joe W2KJ" <w2kj@bellsouth.net>
- 4) [152239] Re: NorCal Keyer Kit power consumption
by Dale Botkin <dale@botkin.org>
- 5) [152240] International QRP Day
by <G0BPS@clara.co.uk>
- 6) [152241] RE: NorCal Keyer Kit power consumption
by Dale Botkin <dale@botkin.org>
- 7) [152242] Re: 1 watt Rule of Thumb? (Follow-up)
by ARDUJENSKI@aol.com
- 8) [152243] RF design site
by "www.kg4dni.com" <daniel-k2@juno.com>
- 9) [152244] Re: GPS transmitters question
by Peter Abraham - KB7INO <kb7ino_egroups@yahoo.com>
- 10) [152245] Re: GPS transmitters question
by "laura halliday" <marsgal42@hotmail.com>
- 11) [152246] \$3 DVM at Harbor Freight, again
by "Ron McConnell" <rcmcc@earthlink.net>
- 12) [152247] HB: Pin Diodes-101
by "w8diz" <w8diz@fpqrp.com>
- 13) [152248] NorCAL Keyer
by "Rich Johnson" <rjohnson390@attbi.com>
- 14) [152249] Re: If you like the Rock-Mite, you'll love the DSW-II (comparison with K1)
by "Bruce Prior" <n7rr@hotmail.com>
- 15) [152250] Thanx for the assist
by "Laurent C. Lafond" <aa1qj@earthlink.net>
- 16) [152251] N7JI at Frederick Father's Day Fest? Yest!
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 17) [152252] Trap that AM Spanish station!
by "Stuart Rohre" <rohre@arlut.utexas.edu>
- 18) [152253] Juno
by Edgar R Guillot <n5ed@juno.com>

- 19) [152254] Re: HB: Pin Diodes-101
by "Brad Hernlem" <alihernlem@hotmail.com>
- 20) [152255] Re: NorCAL Keyer
by Nelson Winter <thenels@go.com>
- 21) [152256] Re: NorCAL Keyer
by David Hinerman <WD8CIV@worldnet.att.net>
- 22) [152257] Re: QRP ARCI Contest Certificates
by Bill Stietenroth <k5zty@juno.com>
- 23) [152258] FS
by Rick McKee <kc8aon@juno.com>
- 24) [152259] 8 pin mike connector source
by WE7X@aol.com
- 25) [152260] NorCal kit pages updated on AmQRP website
by "George Heron N2APB" <n2apb@erols.com>
- 26) [152261] Portable Verticle Antenna Article Updates
by "Tim, N9PUZ" <n9puz@arrl.net>
- 27) [152262] Re: 8 pin mike connector source
by "Lawrence Makoski" <Makos327@worldnet.att.net>
- 28) [152263] Re: RF design site-and then...
by Ed Tanton <n4xy@earthlink.net>
- 29) [152264] Re: HB: Pin Diodes-101
by "Brad Hernlem" <alihernlem@hotmail.com>
- 30) [152265] FS: Optoelectronics M1 2.8 GHz freq. counter
by "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
- 31) [152266] head phones
by "KD7SNX Rob. C" <kd7snx@earthlink.net>
- 32) [152267] Re: BCI (on my would like to have list)
by Tim Groat <tcgroat@earthlink.net>
- 33) [152268] =?iso-8859-1?Q?Dow-Key_Microwave=AE__MEMS_DKM812-3_Switch_6.?= 0 GHz
by San Rotter <rotter@ieee.org>
- 34) [152269] International QRP Day
by <G0BPS@clara.co.uk>
- 35) [152270] RE: Portable Verticle Antenna Article Updates
by "Michael Bower N4NMR" <bowerm@ix.netcom.com>
- 36) [152271] Re: head phones
by "Karl Larsen" <k5di@msn.com>
- 37) [152272] Iowa QRP Club CW Net
by mark.milburn@juno.com
- 38) [152273] RE: Portable Verticle Antenna Article Updates
by Thom LaCosta <baltimoremd@baltimoremd.com>
- 39) [152274] Re: Silent key/ WB5LJW
by Joe Martin <km5cw@arrl.net>
- 40) [152275] The fun starts tomorrow - Friday June 13, 2003
by "John Burnley" <JBurnley@ifmc.org>
- 41) [152276] Re: HB: Pin Diodes-101; Also, FS list available
by Brad Thompson <Brad.Thompson@valley.net>
- 42) [152277] RE: head phones
by "Doc K0EVZ" <dock0evz@earthlink.net>

- 43) [152278] [CONTEST] N2CQ QRP Contest Calendar June 12-30, 2003
by "Ken Newman" <N2CQ@Dandy.Net>
- 44) [152279] head phones
by "KD7SNX Rob. C" <kd7snx@earthlink.net>
- 45) [152280] Re: head phones
by "Mike Yetsko" <myetsko@insydesw.com>
- 46) [152281] Re: head phones
by Alex <kr1st@amsat.org>
- 47) [152282] RE: International QRP Day
by Kenneth Hoglund <hoglund@wfu.edu>
- 48) [152283] AmQRP Club NorCal Keyer Current Consumption Info
by "Doug Hendricks" <ki6ds@dph.dpol.net>
- 49) [152284] Stealthy HF Coat Hanger Antenna
by Alex <kr1st@amsat.org>
- 50) [152285] RE: AmQRP Club NorCal Keyer Current Consumption Info
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 51) [152286] Re: AmQRP Club NorCal Keyer Current Consumption Info
by Dale Botkin <dale@botkin.org>
- 52) [152287] Re: head phones
by "Leigh Hawkes" <leighhawkes@ns.sympatico.ca>
- 53) [152288] Atlanta bound
by "David Hinerman" <WD8CIV@worldnet.att.net>
- 54) [152289] Re: NorCal Keyer Kit power consumption
by "Bill Linn" <blinn@smgazette.com>
- 55) [152290] Re: The fun starts tomorrow - Friday June 13, 2003
by "John P. Cummins, Sr." <jpcummins@charter.net>
- 56) [152291] Yaesu FT-7100R info
by Rick McKee <kc8aon@juno.com>
- 57) [152292] NorCal Keyer pics posted
by "George Heron N2APB" <n2apb@erols.com>

Date: Wed, 11 Jun 2003 14:42:59 -0400
From: "David Hinerman" <WD8CIV@worldnet.att.net>
To: "qrp-l" <qrp-l@lehigh.edu>
Subject: [152236] RE: GPS transmitters question
Message-ID: <000301c33049\$47f99270\$7a032a0a@nyroc.ametek.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Brian,

There are some cell phones that supposedly contain GPS receivers that can relay one's location to an "Enhanced 911 Service" (E911). The one I'm carrying right now, courtesy of my employer, has that feature. Although our

facilities manager tells me the only New York county that has E911 is Oneida County. Guess where I don't live. (grin)

I remember hearing about ten years ago about a handheld emergency transmitter that could be picked up and tracked by satellite. NASA had a booth at an air show with a poster talking about the number of false alarms they receive on that service.

(It was a cool poster, looked sort of like ten lines of this:
WOLFWOLFWOLFHELPWOLFWOLFWOLFWOLFWOLFWOLF
with the word HELP embedded 3 times among 97 occurrences of WOLF.)

None of these solve the "easily worn" problem, though. My phone is reasonably small, about the size of a deck of playing cards but thicker.

I remember seeing a story on TV a year or two ago about someone who invented a ladies undergarment that sensed the wearer's heart rate, breathing, and other vital signs. If the wearer was showing signs of extreme stress (as if being attacked or chased) it would place an automatic 911 call on the built-in cell phone, then turn on an emergency locator transmitter for search and rescue efforts. Sort of like a LoJack system for your significant other. It's still a lot of hardware, though.

Dave

David Hinerman WD8CIV
wd8civ@worldnet.att.net

> This may be off-topic for some readers but I hope not irritatingly so.
> Over the weekend a Saskatchewan farmer got his left hand caught in a piece
> of farm machinery on Friday. He was trapped all weekend and finally got
> free by cutting off two of his fingers with a jack-knife. I heard his
> interview on CBC radio today.
>
> Anyway he speculated there should be some sort of device that a person
> could wear that could signal someone else if there is trouble and also
> broadcast the person's location. It has to be easily worn. He had a cell
> phone but it was in his truck and he couldn't reach it.
>
> Since this is the smartest group of radio-buffs I know I thought someone
> might know of such a device.
>
> If anyone is interested in the interview it can be found at:
>
> <http://Sask.cbc.ca/regional/servlet/View?filename=osiowy030611>
>

Date: Wed, 11 Jun 2003 14:21:57 -0500
From: "Brian Murrey - KB9BVN" <brian@iquest.net>
To: "Flying Pigs" <fpqrp-1@fpqrp.com>
Cc: "QRPP-1" <QRPP-I@yahoogroups.com>, "QRP-L" <qrp-1@lehigh.edu>
Subject: [152237] Everyone - Help!!
Message-ID: <002901c3304e\$ba641790\$0364030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Every ham in the United States needs to sit down and get three QSL cards. On each one write:

PLEASE SUPPORT HR 713 AND S 537 NOW!

Send one to each of your Senators, and one to your US Representative.

There are 675,000 hams in the USA....let's let them know how we feel about this bill.

INARRL BULLETIN 024-2003
14:05:00 EST 06/11/2003 de KB9BVN

RE:Amateur Radio Spectrum Protection Act

June 11, 2003 - Today in Washington DC, ARRL President Jim Haynie, W5JBP, testified on behalf of House Resolution 713 "Amateur Radio Spectrum Protection Act".

If approved, the Amateur Radio Spectrum Protection Act would amend the Communications Act to require the FCC to provide "equivalent replacement spectrum" to Amateur Radio if the FCC reallocates primary amateur allocations, reduces any secondary amateur allocations, or makes additional allocations within such bands that would substantially reduce their utility to amateurs.

Haynie has said he's looking forward to the opportunity to state the League's case. Haynie's appearance in support of the legislation is considered critical to enhancing the measure's credibility, and it marks a major step toward getting HR 713 through Congress this year.

The most recent cosponsors to sign aboard HR 713 include representatives Sam Farr (D-CA), Edolphus Towns (D-NY), Sheila Jackson-Lee (D-TX), Steve Israel (D-NY), Roscoe Bartlett (R-MD), Clay

Shaw Jr (R-FL), John Duncan Jr (R-TN), Dennis Rehberg (R-MT), David Price (D-NC), Gary Miller (R-CA) and Bart Stupak (D-MI). Indiana Representatives appear to be missing from the list of co-sponsors.

HR 713 is sponsored by Florida Republican Michael Bilirakis, a subcommittee member. Idaho Republican Michael Crapo has introduced an identical version of the legislation, S 537, in the US Senate.

Haynie continues to encourage ARRL members to urge their senators and representatives and to cosponsor the bills.

A sample letter is available on the ARRL Web site. Those writing their lawmakers are asked to copy their correspondence to the League via e-mail.

Sample Letter: <http://www.arrl.org/govrelations/arspa.html#sample>

=====
Brian Murrey - KB9BVN
KB9BVN@arrl.net
Indiana Section Bulletin Manager
(317)535-9887
=====

Date: Wed, 11 Jun 2003 14:25:55 -0400
From: "Joe W2KJ" <w2kj@bellsouth.net>
To: "qrp-1" <qrp-1@lehigh.edu>
Subject: [152238] Code Warrior
Message-ID: <008501c33046\$e5e5ea40\$220110ac@gateway.2wire.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Howdy Gang:

I'm probably preaching to the choir, but I just today received a VibroPlex Code Warrior from UPS and it is a little beauty that performs extremely well.

I have a couple of Schurr Proffi-2's and a WBL V2L but this Code Warrior handles remarkably well in comparison to the higher end paddles.

I had previously owned a VibroPlex Square Racer and never could get used to the movement of the paddle arms and the magnetic system they used.

I am so far very impressed with the little Code Warrior in the little time I have used it.

Normal disclaimers...no VibroPlex stock, etc, just a satisfied customer.

73, Joe W2KJ

Date: Wed, 11 Jun 2003 14:50:09 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: David Hinerman <WD8CIV@worldnet.att.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [152239] Re: NorCal Keyer Kit power consumption
Message-ID: <Pine.LNX.4.33.0306111444100.5849-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Jun 2003, David Hinerman wrote:

> At idle (on but no key activity): 2.63 or 3 mA (I got the lower value
> before plugging in my paddddle. I'm not sure why.) Tune (continuous
> key-down): 19.89 mA with sidetone on, 4.23 mA with sidetone off Tune,
> with 2N7000 in place of PN2222A keying transistor: 3.33 mA with
> sidetone off

Wow. That's a lot of current.

How about ~.5 mA keying with sidetone off, <10mA with sidetone on, and .005uA (NOT mA) sleeping? That's what mine does. Been running it since March, I think, on the same CR2032 lithium cell that I salvaged from an old PC motherboard before tossing it, and it's still right around 3V.

Dale

--

It's a thankless job, but I've got a lot of Karma to burn off.
Get a PicoKeyer: <http://www.hamgadgets.com>

Date: Wed, 11 Jun 2003 21:49:39 +0100
From: <G0BPS@clara.co.uk>
To: <qrp-1@lehigh.edu>, <GQRP@yahoogroups.com>
Subject: [152240] International QRP Day
Message-ID: <004501c3305a\$fb2b88b0\$d14d08c3@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

Gang.....

Peter PE1MHO and Dick G0BPS will be operating
during the International QRP day from a Scottish Loch.

Please listen out on 20m (or 15m if open) during the
morning (UTC times) and later in the evening on 20m
or 40m 1800 - 2100 UTC.

We shall be operating PSK31 with a bit of SSB and CW
thrown in.

Calls to look for are: MM3ECN (Peter) and GM0BPS (Dick).

Outside the operating schedules we may try a little QRO on PSK31
ie 10 watts!!!!

We will be looking for YOU....

Dick Pascoe G BPS
Vice President QRP-ARCI.
SSB & Data manager G-QRP Club

All mail from me is checked by Norton
before posting and is (hopefully) Virus Free.

Date: Wed, 11 Jun 2003 16:02:39 -0500 (CDT)
From: Dale Botkin <dale@botkin.org>
To: David Hinerman <WD8CIV@worldnet.att.net>
Cc: QRP list <qrp-1@Lehigh.EDU>
Subject: [152241] RE: NorCal Keyer Kit power consumption
Message-ID: <Pine.LNX.4.33.0306111519350.5960-100000@madmax.botkin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 11 Jun 2003, David Hinerman wrote:

> I agree - it is a lot of current. But this is with a 78L05 regulator
> between a 9V battery and the PIC.

A 9V/78L05 solution is about as ugly as it gets. Combines a low-capacity battery with a high-loss regulator, with predictable results. The only way to make it worse is to use a NiCD battery! If you simply **must** use a 9V for some reason, there's a relatively simple, high efficiency solution that most QRPers can build from the junk box:

<<http://www.romanblack.com/smps.htm>>

Roman is a frequent and much-loved contributor to the PICList. He developed a simple switched buck regulator that I have heard does quite well. I haven't tested it for RFI, though.

AA or AAA battery power is OK for some PICs, not so good for others. Some (12F629/675, most LF parts, some others) will run happily at 2 or 2.5V, and are ideal candidates for two AA cells. Others need 4V and work well with three alkaline cells, though a lot of these have current requirements that make a power switch a necessity. I prefer the newer PICs that will sleep on very close to no power -- I'd call 4 or 5 nanoAmperes pretty close to nothing!

For the 12F629 used in the NorCal keyer (and mine as well, incidentally), you should be fine down to about 2V. I've had mine running at well below that, but of course the sidetone got REALLY quiet and nothing is guaranteed below 2.0V, as it's out of spec. Personally, I'd use a 2N7000 with no resistor on the gate instead of the 2N2222. A 3V coin cell like a CR2032 should be OK, or a couple of AAA's. Unless someone made some unfortunate choices in coding, sleep current should be waaaaay down in the weeds.

When powering from a rig, I'd be tempted to go with a 4.7V or so Zener rather than the linear regulator. On battery power < 5.5V, there's no need to bother with it of course.

72,

Dale - NOXAS

--

It's a thankless job, but I've got a lot of Karma to burn off.
Get a PicoKeyer: <http://www.hamgadgets.com>

Date: Wed, 11 Jun 2003 17:03:27 EDT
From: ARDUJENSKI@aol.com
To: qrp-1@lehigh.edu
Subject: [152242] Re: 1 watt Rule of Thumb? (Follow-up)
Message-ID: <ae.41adb107.2c18f31f@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

I wanted to also note that using NVIS on 80m we were successful in far lower power levels with an ERP ---under 200mw with 579 readings for up to almost 300 miles tested). Low slung 80m dipole was used in all cases. So those of you in the southern states where 40m NVIS propagation is effective this should also apply to this band for you. Unfortunately up north we are stuck with 80 and 160m. This may explain why 40m and say the Rockmite SHOULD work well for a lot of local QSOs for some folks. I would like to hear from you 40m QRPP folks on this

<http://www.spacew.com/www/fof2.html>

Alan KB7MBI in Woodinville, WA
FISTS 5702 / ARS / Proud member of ARRL
--- --- --- --- DIT DIT

Date: Wed, 11 Jun 2003 21:02:38 GMT
From: "www.kg4dni.com" <daniel-k2@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [152243] RF design site
Message-ID: <20030611.170307.23400.275028@webmail05.nyc.unttd.com>
Content-Type: text/plain

<http://www.circuitsage.com/>

above is an elaborated site on design with pictures and programs to download, including ELSIE, filter design program, recently mentioned.

Daniel Brinneman
kg4dni

The best thing to hit the internet in years - Juno SpeedBand!
Surf the web up to FIVE TIMES FASTER!
Only \$14.95/ month - visit www.juno.com to sign up today!

Date: Wed, 11 Jun 2003 14:04:25 -0700 (PDT)
From: Peter Abraham - KB7INO <kb7ino_egroups@yahoo.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152244] Re: GPS transmitters question
Message-ID: <20030611210425.44419.qmail@web20810.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

--- Noah Lorang <NoahLorang@nc.rr.com> wrote:
> Sure.
>
> There's something called a personal ELT (or
> PLB-personal locator beacon).

...Stuff deleted...

Also there is the Garmin Rhino, it is a combined
GPS+FRS. It seems to be able to transfer you coords to
another rhino.

I don't own one, so I don't much about them.

-Peter - KB7INO

Do you Yahoo!?
Yahoo! Calendar - Free online calendar with sync to Outlook(TM).
<http://calendar.yahoo.com>

Date: Wed, 11 Jun 2003 14:21:19 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [152245] Re: GPS transmitters question
Message-ID: <Law8-F28LHBBBoGGwuLe0001e1d8@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Brian VE5RDV wrote:

>...
>Anyway he speculated there should be some sort of device that a person
>could wear that could signal someone else if there is trouble and also
>broadcast the person's location. It has to be easily worn. He had a cell
>phone but it was in his truck and he couldn't reach it.

>
>Since this is the smartest group of radio-buffs I know I thought someone
>might know of such a device.
>...

Try <<http://www.snaptrack.com>> for an example of a
commercial product in this area.

I could tell you lots more while we waited for the cement
to solidify around your feet. :-)

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89lg pied a terre..."
ICBM: 49 16.57 N 123 0.24 W - Hospital/Shafte

The new MSN 8: smart spam protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Wed, 11 Jun 2003 17:26:41 -0400
From: "Ron McConnell" <rcmcc@earthlink.net>
To: "Ron McConnell" <rcmcc@earthlink.net>
Subject: [152246] \$3 DVM at Harbor Freight, again
Message-ID: <001601c33060\$27955e80\$0a2af0cd@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="US-ASCII"
Content-Transfer-Encoding: 7bit

They're back! Already!
For those who missed the last round (May 9)...

From a Harbor Freight email flyer
Subject: "Top Sellers Sale!"
Sent Wed 6/11/2003 3:08 PM
by Harbor Freight Tools
[mktdelano@harborfreight.com]

<http://www.harborfreight.com>

1-800-423-2567

QUOTE from flyer:

Cen-Tech P-30756
7 FUNCTION MULTI-TESTER
Now \$2.99 Reg. \$9.99

Get accurate readings for DC voltage, DC current,
AC voltage, resistance, transistor test, diode test,
and continuity response. Features easy-to-read
3-1/2 digit LCD readout, positive set selector
switch, and 32" leads. Low battery indication.
Fuse and diode protected circuit.

ITEM 30756-4VGA
[^^^ Sale suffix needed to get \$3 price]

Price expire 6/16/03.

UNQUOTE:

The last time Mark W4CHL said,
"Harbor Freight staff ask for the sale price
item number, like the one on the VOM.
Seems you gotta have the right code number
to get the sales price!"

Catalog has 30756-3AAH as the Item #
for which they charge the regular \$10
still not a bad price for a good
knock-about meter.

We may be going to visit my nephew
who lives near the Harbor Freight store
near Harrisburg, PA next week.
My brother-in-law and I plan to visit HF.

Cheers, 73,

Ron McConnell
w2iol
<http://home.earthlink.net>

DISCLAIMER: I have a direct connection
with Harbor Freight via my credit card.

Date: Wed, 11 Jun 2003 17:29:13 -0400
From: "w8diz" <w8diz@fpqrp.com>
To: <qrp-1@Lehigh.EDU>
Subject: [152247] HB: Pin Diodes-101
Message-ID: <006701c33060\$815bb310\$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Gang,

Some of you asked if I would supply PIN Diodes.
Answer now is YES!; check my web site.

I have both MNP3404 and MNP3700 PIN diodes in my stock.
Those of you using 1N4007s as PIN diodes, be aware that
the Zero Current capacitance of the 1N4007 is about 30pF.
That is a lot of capacitance when used as a switch or attenuator.
The MPN3700 and the MPN3404 are about 3pF.

<http://partsandkits.com/MPN3700.pdf>

<http://partsandkits.com/MPN3404.pdf>

For those that ask: WHAT IS A PIN DIODE?

A PIN diode is a semiconductor device that operates
as a variable resistor at RF and microwave frequencies.

The resistance value of the PIN diode is determined
only by the forward biased dc current.

In switch and attenuator applications, the PIN diode
should ideally control the RF signal level without
introducing distortion which might change the shape of
the RF signal.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop <http://kitsandparts.com>

Date: Wed, 11 Jun 2003 15:16:09 -0700

From: "Rich Johnson" <rjohnson390@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152248] NorCAL Keyer
Message-ID: <001b01c33067\$0ff2c900\$5c96d00c@END0EB86CD98A1>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can some one point me to the NorCAL Keyer web page. I can't find it on the club page.

cheers,
rich

Date: Wed, 11 Jun 2003 22:19:36 +0000
From: "Bruce Prior" <n7rr@hotmail.com>
To: unlisted-recipients;; (no To-header on input)
Subject: [152249] Re: If you like the Rock-Mite, you'll love the DSW-II
(comparison with K1)
Message-ID: <BAY1-F386knrrFIYvGX0001d40b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Oops! I meant to say that I use an 8-cell external AA battery pack with my QRP rigs, not a 6-cell one.
72, Bruce Prior N7RR

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Date: Wed, 11 Jun 2003 15:32:35 -0700
From: "Laurent C. Lafond" <aa1qj@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [152250] Thanx for the assist
Message-ID: <3EE7AE03.6000909@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

To all who have offered help, aid, and comfort regarding my question on the

Miracle Antenna, I say thanx.

Still haven't made the final decision, but there is a VEC testing going on next monday, and I'll run it by them. With all the variants.

Tnx agn72s
Laurent AA!QJ

Date: Wed, 11 Jun 2003 17:55:10 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, <eax@w3eax.umd.edu>, Laurel ARC <larc-l@webtrek.com>
Subject: [152251] N7JI at Frederick Father's Day Fest? Yest!
Message-ID: <Pine.LNX.4.44.0306111753130.2401-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I have to be in southern Jersey next week and am making a whirlwind tour of MD on my way. Flying in on Saturday, hanging with mom that night, hitting Frederick the next morning and off to NJ that afternoon.

Anyway, if any of you are going to be there, I'll probably bump into you.

73,

Scott N7JI

--
Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Wed, 11 Jun 2003 18:57:14 -0500
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "Joe Martin" <km5cw@arrl.net>, <qrp-l@Lehigh.EDU>
Subject: [152252] Trap that AM Spanish station!
Message-ID: <00d601c33075\$2e45d060\$4e100a0a@rohredt2000>

Joe, that station is likely very close to you, or perhaps there is hardware

around your apt. house that resonates at their frequency or a SW harmonic of it.

What you do, is make a trap (a series tuned circuit) from an old AM radio antenna coil and tuning cap, and run it from antenna connection to ground and it sucks out the AM station. Can be used for either shortwave band where they bother you. It will look like a high impedance, (open circuit) to the shortwave signals. That type of trap takes care of the fundamental AM frequency. Now, if by some chance there is something generating a harmonic of the AM, that is difficult if it is close by. Are there any rusty gutters, or other corrosion on metal near your antenna? What about railings? Might have to experiment bonding loose metal to a good earth ground.

Do you pick them up with NO antenna on your receiver? If so, they are getting in from being close by, or from the power line. Make sure power leads are twisted pair if using external DC supply or battery. By pass with 0.1 mf at the power supply output.

Hopefully some combination of these efforts will cure the pickup at your station.

72,

Stuart K5KVH

Date: Wed, 11 Jun 2003 19:03:25 -0500
From: Edgar R Guillot <n5ed@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [152253] Juno
Message-ID: <20030611.190325.-838605.0.n5ed@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I would like to separate my Favorites on Juno from those on Internet Explorer, but when I click on Options and Web preferences, the place where I would clear a check, is not lit up.
Also I am having trouble setting up a sharing of the Internet between a computer on 98SE connected to Internet and another computer running XP Pro. The networking works perfectly and the sharing did too but suddenly stopped. Help! Ed N5ED

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Date: Thu, 12 Jun 2003 00:29:59 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Cc: w8diz@fpqrp.com
Subject: [152254] Re: HB: Pin Diodes-101
Message-ID: <Law9-F595Qy2LfHxwgx000a3f82@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

w8diz (w8diz@fpqrp.com) writes:

....
>I have both MNP3404 and MNP3700 PIN diodes in my stock.
>Those of you using 1N4007s as PIN diodes, be aware that
>the Zero Current capacitance of the 1N4007 is about 30pF.
>That is a lot of capacitance when used as a switch or attenuator.
>The MPN3700 and the MPN3404 are about 3pF.
....

Since junction capacitance decreases with increasing reverse bias, would that figure (30 pF) not become less odious if a judicious amount of reverse bias was applied in the "zero current" (OFF) state?

Brad KG6IOE

P.S. Any chance that you will stock any SMD pin diodes?

The new MSN 8: advanced junk mail protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Wed, 11 Jun 2003 17:55:12 -0700 (PDT)
From: Nelson Winter <thenels@go.com>
To: Rich Johnson <rjohnson390@attbi.com>,
Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152255] Re: NorCAL Keyer
Message-ID: <6774468.1055379312478.JavaMail.thenels@gomailjtp01>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Here's the URL to teh online documentation

<http://www.amqrp.org/kits/NCKeyer/NCKEYERManWord-edited.pdf>

-----Original Message-----

From: "Rich Johnson" <rjohnson390@attbi.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Date: Wed Jun 11 15:16:09 PDT 2003
Subject: NorCAL Keyer

>Can some one point me to the NorCAL Keyer web page. I can't find it on the
>club page.

>

>cheers,

>rich

>

Less = More

<http://www.qsl.net/wb6dwd/>

RM-40/30/20

QRP-L #2482

GO.com Mail

Get Your Free, Private E-mail at <http://mail.go.com>

Date: Wed, 11 Jun 2003 21:03:25 -0400

From: David Hinerman <WD8CIV@worldnet.att.net>

To: qrp-l@lehigh.edu

Subject: [152256] Re: NorCAL Keyer

Message-ID: <5.1.1.6.1.20030611205826.00b30938@postoffice.worldnet.att.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 03:16 PM 6/11/2003 -0700, you wrote:

>Can some one point me to the NorCAL Keyer web page. I can't find it on the
>club page.

Rich,

Here's the manual:

<<http://www.amqrp.org/kits/NCKeyer/NCKEYERManWord-edited.pdf>>

And here's Doug's first announcement to the list:

<ftp://ftp.lehigh.edu/pub/listserv/qrp-l/archives/2003/030602/>

(It's the archive for June 2, so turn off the "enable folder view for FTP sites" in your Internet Explorer to read it. Search for the first occurrence of the word "keyer.")

Dave

Dave Hinerman
WD8CIV@att.net

Date: Wed, 11 Jun 2003 16:24:07 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: rfoltz@turbonet.com
Cc: qrp-l@Lehigh.EDU
Subject: [152257] Re: QRP ARCI Contest Certificates
Message-ID: <20030611.203711.-1506189.0.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Nice looking certificates they are too. A big thanks to Randy and Tom for doing all the work to put on the QRP-ARCI contests.

Bill, K5ZTY
Houston, TX

Date: Wed, 11 Jun 2003 21:46:55 -0400
From: Rick McKee <kc8aon@juno.com>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [152258] FS
Message-ID: <20030611.214701.9062.2.kc8aon@juno.com>

A good friend of mine has for sale:

Icom AH-2 auto tuner, works 3.5 to 30 Mhz, 5 to 150 watts, works direct with an Icom 706MK2. Asking \$300 plus shipping

Outbacker mobile antenna, works 10 thru 75 meters, missing the stinger rod but they are available, and the antenna is in otherwise excellent

shape. Looks like a 1/8 inch stainless steel welding rod would work.
Asking \$100 plus shipping. I think they cost over \$280 new !

He is a construction contractor and on the road most of the time, and ask me to post this for him, so if interested, please contact me off the list and I will see to it that the message gets to him.

Thanks in advance,

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX
QRP-L #2112, FPqrp #33, AR QRP #269
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

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Date: Wed, 11 Jun 2003 22:15:47 EDT
From: WE7X@aol.com
To: qrp-l@lehigh.edu
Subject: [152259] 8 pin mike connector source
Message-ID: <15.1329f27e.2c193c53@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Does anybody know of a reasonable source for the common 8 pin microphone connector in a single lot quantity?

A buddy is looking for one or two, and doesn't want to place a \$25 order somewhere.

Rod WE7X
Issaquah, WA

Date: Wed, 11 Jun 2003 19:34:25 -0700
From: "George Heron N2APB" <n2apb@erols.com>
To: "EPA-QRP" <EPA-QRP@yahoogroups.com>,
"NoVAQRP" <NoVaQRP@topica.com>, "NJQRP" <njqrp@njqrp.org>,
Subject: [152260] NorCal kit pages updated on AmQRP website
Message-ID: <001601c3308b\$2635e700\$4c0c650a@GHLTP4>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi folks -

We're making fast progress in getting the AmQRP website in gear. We now have all the active NorCal kits posted with the latest details!

This even includes NEW material for the NorCal Keyer Kit ... a downloadable Keyer Reference Card, in both Word and PDF formats.

Start at our homepage <http://www.amqrp.org> and take the KITS link to see all these currently-available kits.

73, George N2APB
n2apb@amsat.org

PS: Thanks too for all the positive feedback on how the website looks at your QTH. This helps us tune the appearance. Visit the AmQRP website often, as we'll next get all the NJQRP kit pages operational.

Date: Wed, 11 Jun 2003 22:03:43 -0500
From: "Tim, N9PUZ" <n9puz@arrl.net>
To: <QRP-1@Lehigh.EDU>, FPigs <fpqrp-1@mpna.com>
Subject: [152261] Portable Vertical Antenna Article Updates
Message-ID: <200361122613.670657@EOS>
Mime-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"
Content-Transfer-Encoding: quoted-printable

The July 2002 QST featured an article by Phil AD5X on a portable= vertical antenna. Phil has made some significant updates to the antenna= and the article since then. He has posted a revised article in the files= section of the Live-Wire group.

<<http://groups.yahoo.com/group/Live-Wire>>

L-W is a group with nearly 1,000 members who enjoy tinkering with= a variety of antennas and often operating portably.

Tim, N9PUZ
Live-Wire Owner/Moderator

Date: Wed, 11 Jun 2003 23:26:41 -0400
From: "Lawrence Makoski" <Makos327@worldnet.att.net>
To: <WE7X@aol.com>,
"Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [152262] Re: 8 pin mike connector source
Message-ID: <001301c33092\$71ec35d0\$20b5590c@larrysahyqy001>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Rod,

I take it you mean the connector at the end of the microphone cable which actually plugs into the radio (not the female receptacle) ? If so, I picked up a couple at Radio Shack a few weeks ago. I think they were about \$2.99 (certainly no more than \$3.50) each.

73 de Larry W2LJ

ex-KA2DOH, N2ELW

QRP ARCI #4488 NJQRP #47
FISTS #1469 QRP-L #778 FP #612
----- Original Message -----
From: <WE7X@aol.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Wednesday, June 11, 2003 10:15 PM
Subject: 8 pin mike connector source

> Does anybody know of a reasonable source for the common 8 pin microphone
> connector in a single lot quantity?
> A buddy is looking for one or two, and doesn't want to place a \$25 order
> somewhere.
> Rod WE7X
> Issaquah, WA
>

Date: Thu, 12 Jun 2003 01:19:42 -0400
From: Ed Tanton <n4xy@earthlink.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>,
noga reflector <nogaqrp@mailman.qth.net>
Subject: [152263] Re: RF design site-and then...
Message-ID: <5.2.1.1.2.20030612010711.0298c488@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

While browsing through the filter design tools on the GREAT website Daniel referred us to:
(it bears mentioning again!!! <<http://www.circuitsage.com/>>)...

I found another GREAT website: <<http://www.rfcafe.com/default.htm>>

e.g. the RF Cafe. Everything RF... by Kirt Blattenberger. Check it out...
it's awesome!!!

72/73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: <http://www.n4xy.com>

All emails <IN> & <OUT> checked by
Norton AntiVirus with AutoProtect

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

"He that gives up a little liberty to gain
temporary security will lose both and
deserve neither".
--Benjamin Franklin

"Suppose you were an idiot ...
and suppose you were a member of
Congress... but I repeat myself."
--Mark Twain

Date: Thu, 12 Jun 2003 05:26:07 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [152264] Re: HB: Pin Diodes-101
Message-ID: <Law9-F55VVJc4NpZJkQ00099ef0@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

BTW, the following datasheet shows a bit lower junction capacitance for the 1N4007 and fairly respectable if a reverse bias is employed rather than just a passive zero current state. This could also be halved by using a pair of diodes in the switch.

<http://www.diodes.com/datasheets/ds28002.pdf>

Brad KG6IOE

"Brad Hernlem" <alihernlem@hotmail.com>
>
>Since junction capacitance decreases with increasing reverse bias, would
>that figure (30 pF) not become less odious if a judicious amount of reverse
>bias was applied in the "zero current" (OFF) state?

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Date: Thu, 12 Jun 2003 01:22:20 -0400 (EDT)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@lehigh.edu>, <eax@w3eax.umd.edu>,
Laurel ARC <larc-1@webtrek.com>,
Subject: [152265] FS: Optoelectronics M1 2.8 GHz freq. counter
Message-ID: <Pine.LNX.4.44.0306120106250.3629-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For sale:

Excellent condition Optoelectronics M1 2.4 GHz handheld freq. counter.

It's a high speed counter that does direct counting to 250 MHz with 1 Hz resolution. Very easy to use. Switchable 50 or 1 Mohm input impedance. 3-count stack, back lighted LCD, RF sig strength graph, can tie into PC via RS-232C, and has a digital filtering mode.

Unit is about 3x5 inches and case is ribbed for easy grip.

Comes with internal NiCd batteries, charger, and collapsible whip antenna, plus manual and user's guide.

New ones sell for \$259, asking \$150 for this one.

Thanks,

Scott N7JI

--

Scott Rosenfeld ARS N7JI
541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Wed, 11 Jun 2003 23:41:47 -0700
From: "KD7SNX Rob. C" <kd7snx@earthlink.net>
To: "message post" <qrp-l@lehigh.edu>
Subject: [152266] head phones
Message-ID: <000701c330ad\$b32863f0\$0808b83f@Cravers>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

what are some good head phones for receiving cw, that I could get a local wal-mart? what should I look for?

Rob. C
KD7SNX

Date: Thu, 12 Jun 2003 02:33:07 -0600
From: Tim Groat <tcgroat@earthlink.net>
To: qrp-l@lehigh.edu
Subject: [152267] Re: BCI (on my would like to have list)
Message-ID: <5.1.1.6.2.20030612015416.00a281b0@mail.earthlink.net>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

Since the AM station is almost certainly vertically polarized, using a vertical antenna on your receiver probably means more broadcast band signal into the receiver. Before changing antennas, try connecting a dummy load in place of your folded dipole. If the AM signal goes away, it's coming in through the coax. It may be fundamental overload, or some external "rusty bolt" detector. Look for any questionable metal joints, especially in the antenna and feedline itself. Downspouts and chain-link fences are also frequent offenders; any poor connection can work as a detector or harmonic generator. To reduce fundamental overload, try the common T-network transmatch (its high-pass response provides useful rejection of AM broadcast signals).

If it's not coming through the coax, don't overlook the power supply as a possible AM detector. The same things mentioned in the recent DC receiver hum thread can help reduce problems with AM signals modulating the power supply voltage. If you're using an AC input power supply, try a battery and see if that makes any improvement.

Anything connected to the rig by wires could be acting as the AM band antenna. Headphones, speaker, keyer, and so forth. Ferrite chokes or bypass caps on the non-RF wiring may help. The same things the ARRL RFI book recommends for correcting rectification in consumer audio products also works for keeping unwanted RF out of ham band receivers.

You don't mention how close you are to the AM station. I used to live in a house near LA with a marvelous view of the KNX 50KW phased-array, and I know how frustrating these RFI problems are. I also know that with patience and effort, you CAN solve them.

Good luck, and don't give up!

72,

--Tim (KR0U)

Martin <km5cw@arrl.net>:

>My problem is I have a spanish rock station on AM in close proximity
>that simply overpowers me on 14.060 and 40 mtr it can still be heard in
>the passband which is very bothersome. It ruins my 20 mtr qrp fun,, they
>didn't used to be a problem so I don't know what has changed, I have
>emailed them and politely explained the problem hoping for them to maybe
>look and see if they are having a problem on their end,, no replies at
>all..

>I added the 1K resistor but it doesn't help in this case.. so hopefully
>with the DSWII I can move up or down the band and dodge them.

>? I am using a folded dipole on my patio in my apt.. do you think making

>or buying a small vertical might help? Has anyone else that you know of
>had this kind of problem.
>73 de KM5CW/ Joe

Date: Thu, 12 Jun 2003 04:10:55 -0500
From: San Rotter <rotter@ieee.org>
To: qrp-l@lehigh.edu
Subject: [152268] =?iso-8859-1?Q?Dow-Key_Microwave=AE__MEMS_DKM812-3_Switch_6.?= 0
GHz
Message-ID: <200306120910.h5C9Akws029735@rain.CC.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

Dow-Key Microwave=AE MEMS DKM812-3 Switch 6.0 GHz

<http://www.dowkey.com/products/408.html>

Dow-Key Introduces 3 Volt Actuated MEMS Switch=20
RF Design Staff
June 11, 2003 =20

Philadelphia, Penn. -- Dow-Key Microwave Corp. introduced what the company=
calls the industry's first 3 Volt actuated MEMS switch. The DKM812-3=
operates up to 6 GHz with a total DC power consumption of less than 3 mW,=
the company says. The maximum input RF peak power is 3 W, and the upper=
limit for average power is 2 W.=20

The new switch is a reflective RF switch that utilizes MEMS technology to=
provide low insertion loss and high linearity (IP3 > 65 dBm), the company=
says.=20

Dow-Key says the switch is ideal for applications where low loss and=
linearity are required, such as ATE, instrumentation, LANs, GPS receivers,=
wireless handsets, reconfigurable antennas.=20

Samples are available now and qualified parts will be available in November=
2003.=20

How soon will it will hv a QRP price?

San
K9YT

Date: Thu, 12 Jun 2003 10:36:07 +0100
From: <G0BPS@clara.co.uk>
To: <qrp-1@lehigh.edu>, <GQRP@yahoogroups.com>
Subject: [152269] International QRP Day
Message-ID: <00b501c330c6\$35ba5e50\$e34e08c3@main>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 8bit

000ps

I just assumed that everyone would know the date.

17th June is International QRP day
^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

Dick Pascoe G BPS
Vice President QRP-ARCI.
SSB & Data manager G-QRP Club

All mail from me is checked by Norton
before posting and is (hopefully) Virus Free.

Date: Thu, 12 Jun 2003 07:24:01 -0400
From: "Michael Bower N4NMR" <bowerm@ix.netcom.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [152270] RE: Portable Verticle Antenna Article Updates
Message-ID: <ODE0IKLMAJFGCNMOGAGIAEADDCAA.bowerm@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Tim, is it appropriate for you to post the updated article directly to this
list. What I DON'T need is to join another listgroup just to see the
article.

(Why can't Yahoo have an open files section so they don't have to require joining the group just to see a file. Maybe they should public files and "members only" files.)

Michael N4NMR

-----Original Message-----

From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of Tim, N9PUZ
Sent: Wednesday, June 11, 2003 11:04 PM
To: Low Power Amateur Radio Discussion
Subject: Portable Vertical Antenna Article Updates

The July 2002 QST featured an article by Phil AD5X on a portable vertical antenna. Phil has made some significant updates to the antenna and the article since then. He has posted a revised article in the files section of the Live-Wire group.

<<http://groups.yahoo.com/group/Live-Wire>>

L-W is a group with nearly 1,000 members who enjoy tinkering with a variety of antennas and often operating portably.

Tim, N9PUZ
Live-Wire Owner/Moderator

Date: Thu, 12 Jun 2003 04:57:12 -0600
From: "Karl Larsen" <k5di@msn.com>
To: kd7snx@earthlink.net, qrp-1@Lehigh.EDU
Subject: [152271] Re: head phones
Message-ID: <BAY3-F21Jta5KNjSvR30001313b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Hi Rob, look for some expensive Soni headphones at Wal Mart. I bought only Soni because the very best are Soni but cost \$50.00 in serious audio

stores.

>From: "KD7SNX Rob. C" <kd7snx@earthlink.net>
>Reply-To: kd7snx@earthlink.net
>To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
>Subject: head phones
>Date: Wed, 11 Jun 2003 23:41:47 -0700
>
>what are some good head phones for receiving cw, that I could get a local
>wal-mart? what should I look for?
>Rob. C
>KD7SNX
>
-Karl Larsen K5DI Las Cruces, NM AZ ScQRPions-

The new MSN 8: smart spam protection and 2 months FREE*
<http://join.msn.com/?page=features/junkmail>

Date: Thu, 12 Jun 2003 07:43:53 -0500
From: mark.milburn@juno.com
To: qrp-l@lehigh.edu
Subject: [152272] Iowa QRP Club CW Net
Message-ID: <20030612.074836.-379815.2.MARK.MILBURN@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Another interesting Wednesday night with band noise up in the S7-S8 range. Perfect conditions for a QRP net ... not! Nevertheless, we checked in:

KQ0I	Mark	Des Moines, Iowa
WA8BXN	Mike	Cleveland, Ohio
K9UT	Jerry	Richmond, Indiana
K7RE	Brian	Spearfish, S.Dak
AA0XJ	Jim	Cedar Rapids, Iowa

K9UT is new to the net, I think, and had a good signal into the net with his K2.

Thanks to all for turning out, and keep on coming. I can't promise when, but I promise conditions will get better.

72 Mark

Date: Thu, 12 Jun 2003 08:58:10 -0400 (EDT)
From: Thom LaCosta <baltimoremd@baltimoremd.com>
To: Michael Bower N4NMR <bowerm@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [152273] RE: Portable Verticle Antenna Article Updates
Message-ID: <20030612085529.M20790-100000@unix1.vhost.min.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 12 Jun 2003, Michael Bower N4NMR wrote:

>
> (Why can't Yahoo have an open files section so they don't have to require
> joining the group just to see a file. Maybe they should public files and
> "members only" files.)

Because if they didn't force you to join, you wouldn't be part of their
captured market base.

When Yahoo took over(purchased) the webring operation, there was such
flack over their policies that thousands left the web ring. Those of us
that did either went with other systems or started our own webrings.

Thom

baltimoremd@baltimoremd.com	Thom LaCosta K3HRN Webmaster
http://www.baltimoremd.com/	Baltimore's Home Page
http://www.baltimorehon.com/	Home of the Baltimore Lexicon
http://www.zerobeat.net	Home of The QRP Web Ring and DrakeList
http://www.tlchost.net	Web Hosting as low as \$3.49/month

Date: Thu, 12 Jun 2003 08:17:51 -0500
From: Joe Martin <km5cw@arrl.net>
To: qrp-l@lehigh.edu
Subject: [152274] Re: Silent key/ WB5LJW
Message-ID: <3EE87D7E.44E8D646@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks many of you may very well have worked WB5LJW ,Walter DELESANDRI,

he was always active at the lower end of the bands, a great fan
, collector and refurbisher of Collins radios.

Walt ran the photo lab for UNT in Denton, Tx and was an elmer to me and
was the single most ham responsible for my return to the cw and building
portions of amateur radio. When I lived in Denton I spent many a happy
hour over at Walt's QTH we would work code, build stuff and share in of
Texas Gulf coast ham stories from our youth. His xyl Carol was even
inspired to get her ticket and is now KM5CK. 73 Walt you will be missed.

KM5CW/Joe

Bruce Riddle/N5PPY wrote:

> Hi Joe I have some very bad news. walt wb5ljw became a silent key
> monday at work. massive heart attack. the funeral will be in south
> texas where he was from. They are going to have a memorial in this
> area afterward but right now do not know when. I will let you know
> when i do.

Date: Thu, 12 Jun 2003 08:29:20 -0500
From: "John Burnley" <JBurnley@ifmc.org>
To: <qrp-l@lehigh.edu>, <IAQRP-L@mailman.qth.net>
Subject: [152275] The fun starts tomorrow - Friday June 13, 2003
Message-ID: <see839f5.052@iaweb02.ifmc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Disposition: inline

This is one occasion where Friday the 13th is a day to get excited
about! The Iowa
QRP Club will be active at the Hamboree in Sioux City Iowa Friday June
13 and Saturday June 14.

The IAQRP Club kicks off our activities with the annual building event
to be held Friday June 13, 2003 at 4:00PM. The building event
provides
an opportunity for interested individuals to purchase a low cost
kit and assemble it during the session. We will have plenty of Elmers
available to help the less experienced and provide guidance to those
who
hit a snag. This year we are featuring the Power/Inverter Guard kit
from our
good friends down south - the North Georgia QRP Club (NoGa). I've had
the pleasure of spending Field Day with these great QRP'ers and I had

a blast (plus enjoyed some good ole' southern hospitality). Our thanks to Sam AE4GX, Pickett AD4S, and Joe W4JHR who helped us coordinate the kits. More info about this fun kit may be found at <http://www.nogaqrp.org/> .

The Iowa QRP Club is pleased to announce the following forums to be held at the Hamboree in Sioux City, Iowa on Saturday June 14, 2003. Brian Kassel (K7RE) and Jerry Hall (W0PWE) will be our featured speakers. Brian's session will be 'Wire Antennas For Cheapskates'. Jerry will present 'Micro-controller applications for Amateur Radio'. Our thanks to these club members for their continued support of our QRP activities and efforts to spread the good word about low power operating. Both are great speakers and I look forward to attending the sessions. Unfortunately, Jim Duffey KK6MC had to cancel his forum this year. Jim got tied up in a work project and just can't make the trip. Not only will we miss Jim's excellent presentation (I've seen many and he is an FB speaker), but we will miss his presence as well.

Our thanks to the American QRP Club and the 'Lab' from the American Radio Relay League for providing FB goodies to give away. The ARRL has provided books and the AM-QRP Club has provided a BLT Tuner Kit, NorCal Resistor Kit, NorCal Keyer Kit (this is a brand new offering from the club and looks like a winner), and a NorCal MiniBoots Amp Kit. Again our thanks to the ARRL and the American QRP Club for donating the prizes and their FB support of our QRP activities.

More information about the Hamboree may be found at www.3900club.com . Just click on the Hamboree 2003 link. I look forward to seeing you all there!

72/73, John NU0V

Date: Thu, 12 Jun 2003 09:51:51 -0400
From: Brad Thompson <Brad.Thompson@valley.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: alihernlem@hotmail.com
Subject: [152276] Re: HB: Pin Diodes-101; Also, FS list available
Message-ID: <5.0.2.1.2.20030612094353.02106e40@pop3.norton.antivirus>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Hello--

Peter Chadwick, G3RZP, writes in RadCom (RSGB) for Sept.-Dec. 1998
regarding the
Backpacker Transceiver:

"Note that not all 1N4007s are suitable as PIN diodes. Motorola are fine,
but some
unbranded devices I have come across meet the 1N4007 specs as a rectifier,
but have
much shorter recovery times. This means that they won't act properly as PIN
diodes."

Peter's observation may explain why some experimenters have encountered
inconsistent
circuit behavior when using 1N4007s. My current components-FS list offers
branded Motorola
1N4007s at 20 pieces for \$1.00 plus postage, along with other PIN diodes,
Schottky diodes,
and miscellaneous goodies.

Please don't hesitate to e-mail for a copy of the list; also, I'm now
authorized to accept PayPal.

73--

Brad AA1IP

Brad Thompson, Bookseller
P.O. Box 307
202 Whitaker Rd..
Meriden, NH 03770-0307

Phone: (603) 469-3351
E-mail: brad.thompson@valley.net

Date: Thu, 12 Jun 2003 9:15:18 -0500
From: "Doc K0EVZ" <dock0evz@earthlink.net>
To: "KD7SNX Rob. C" <kd7snx@earthlink.net>,
"qrp-l reflector" <qrp-l@lehigh.edu>
Cc: "doc k0evz earthlink" <dock0evz@earthlink.net>
Subject: [152277] RE: head phones
Message-ID: <412003641214151810@earthlink.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Rob:

I really like the Radio Shack Pro 35, part 33-1122. These are light weight phones complete with a headband and an in-line volume control. I have at least six pairs of them. Use them with all my QRP rigs, including the AT Sprint, which doesn't have its own volume control. Highly recommended. By the way, they go on sale several times a year, and I typically pay about \$20.00 for them on sale.

73,
--Doc/K0EVZ

> [Original Message]
> From: KD7SNX Rob. C <kd7snx@earthlink.net>
> To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
> Date: 6/12/2003 1:41:47 AM
> Subject: head phones
>
> what are some good head phones for receiving cw, that I could get a local
> wal-mart? what should I look for?
> Rob. C
> KD7SNX

Date: Thu, 12 Jun 2003 10:21:06 -0400
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "W3BG Jim Samuels" <W3BG@arrl.net>,

"K8NI Norm Into" <normk8ni@neo.rr.com>,
Subject: [152278] [CONTEST] N2CQ QRP Contest Calendar June 12-30, 2003
Message-ID: <021d01c330ed\$e0f74630\$0ae980d1@kensdell>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~  
N2CQ QRP CONTEST CALENDAR  
June 12-30, 2003  
~~~~~

Summer FOX Hunt - Sunday June 1 through Sunday August 10.
Sunday July 6,- BYE weekend.
2200-2330Z late Sunday afternoon.
Info: <http://www.cqc.org>
~~~~~

Portugal Day Contest (SSB)  
Jun 14 - 0000z to 2400z  
Rules: <http://www.sk3bg.se/contest/portday.htm>  
~~~~~

ANARTS WW RTTY/Digital Contest
Jun 14 - 0000z to Jun 15 - 2400z
Rules: <http://www.users.bigpond.com/ctdavies/Rules%202003.txt>
~~~~~

Asia-Pacific Sprint (SSB)  
Jun 14 - 1100z to 1300z  
Rules: <http://jsfc.org/apsprint/>  
~~~~~

West Virginia QSO Party (SSB/CW)... QRP Category
Jun 14 - 1600z to Jun 15 - 0200z
Rules: <http://www.qsl.net/wvarrrl/>
~~~~~

ARRL June VHF QSO Party QRP Portable Category  
Jun 14 - 1800z to Jun 16 - 0300z  
Rules: <http://www.arrl.org/contests/rules/2003/june-vhf.html>  
~~~~~

All Asian DX Contest (CW)
Jun 21 - 0000z to Jun 22 - 2400z
Rules: <http://www.jarl.or.jp/English/0-2.htm>
~~~~~

SP QRP Contest (CW) ... QRP Contest!  
Jun 28 - 1200z to Jun 29 - 1200z  
Rules: <http://www.sk3bg.se/contest/spqrp.htm>  
~~~~~

Marconi Memorial Contest (CW) ... QRP Category

Jun 28 - 1400z to Jun 29 - 1400z
Rules: <http://www.qsl.net/ik6ptj/marconi.htm>

~~~~~  
ARRL Field Day (CW/SSB/RTTY)... QRP Category  
Jun 28 - 1800z to Jun 29 - 2100z  
Rules: <http://www.arrl.org/contests/rules/2003/rules-fd-2003.html>

~~~~~  
QRP ARCI Milliwatt Field Day (ALL)... QRP Contest!
Jun 28 - 1800z to Jun 29 - 2100z
Rules: <http://personal.palouse.net/rfoltz/arci/mwfd.htm>

~~~~~  
Thanks to SM3CER, WA7BNM, N0AX(ARRL), WB3AAL and others  
for assistance in compiling this calendar.

Please foreward the contest info you sponsor to N2CQ@ARRL.NET and  
we will post it and give it more publicity.  
Anyone may use this "N2CQ QRP Contest Calendar" for your website,  
newsletter, e-mail list or other media as you choose.  
(Include a credit to the source of this material of course.)

72 de  
Ken Newman - N2CQ  
N2CQ@ARRL.NET  
<http://www.amqrp.org/contesting/contesting.html>  
<http://www.njqrp.org/data/contesting.html>  
<http://www.n3epa.org/Pages/Contest/contest.htm>  
<http://www.qsl.net/cqrp/contests.html>

-----  
Date: Thu, 12 Jun 2003 07:34:22 -0700  
From: "KD7SNX Rob. C" <[kd7snx@earthlink.net](mailto:kd7snx@earthlink.net)>  
To: "message post" <[qrp-1@lehigh.edu](mailto:qrp-1@lehigh.edu)>  
Subject: [152279] head phones  
Message-ID: <000f01c330ef\$b7e43850\$ae09b83f@Cravers>  
MIME-Version: 1.0  
Content-Type: text/plain;  
 charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

thanks to all that came back. I will look in to all of them  
73,  
Rob. C  
KD7SNX

-----  
Date: Thu, 12 Jun 2003 10:33:08 -0400  
From: "Mike Yetsko" <myetsko@insydesw.com>  
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>  
Subject: [152280] Re: head phones  
Message-ID: <005f01c330ef\$9b4652a0\$0200a8c0@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

I think you will find that there's a lot of different phones out there. I don't mean brands. I mean styles and how they 'fit' different people.

First off, decide what you want. Do you want the phones to 'isolate' you? In that case, get a 'closed cup' phone. Something that blocks out other noises. Or if you want or don't mind background noise, then consider 'open ear' phones.

Then try a few. Sometimes the CHEAPEST phones for audio are the best for CW work, so don't rule out bottom line stuff.

Consider how long you'll be wearing them? Do you sweat? Will the phones get 'yucky' during extended wear? Maybe reconsider if you one open ear phones! Comfort IS a concern if you wear them for extended periods. Some headphones have 'bands' or other physical issues that can bother some people and not others. If you find you don't want to wear them, you won't have fun using them.

Consider how they sound. You might even record some CW onto a small pocket cassette player, and take that with you when you try out headphones. Record more than just a few minutes of CW. Try getting 'clean CW', and also getting some recordings 'down in the mud'. See how you like how the phones sound. If they just sound good on 'tones', you may rule them out for something that does a better job with the mud. As long as the fidelity of the recorder is much greater than the fidelity of the radio, what you hear in testing will probably be fairly close to what you'll hear at home. Assuming you recorded it decently.

While others can make recommendations of "these are the best", remember, it's YOUR ears, not theirs. I see way too many people who just have no concept that their perception of the world is not everybodys perception of the world. By all means, check out the recommendations you receive, but make your OWN choice!

They won't have to spend the money for something that's going to be sitting on your head over your ears on hot muggy days for FD, you do!

Mike

-----  
Date: Thu, 12 Jun 2003 10:49:06 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [152281] Re: head phones  
Message-ID: <3EE892E2.27D71E2F@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Doc K0EVZ wrote:

>  
> Rob:  
>  
> I really like the Radio Shack Pro 35, part 33-1122.

I have two sets of the Pro-25, the precursor of the Pro 35. They are indeed excellent, for voice (and music) also. When I first heard about them I thought it would be the usual cheap junk. After trying the first set I bought, I immediately returned to the store and got another set. I have 'em now for a few years and they hold up very well. Only had to replace the pads once....\$2 I think, same shop.

Unfortunately, you can't get them at Wlmart though as the initial poster wanted.

73,  
--Alex KR1ST

-----  
Date: Thu, 12 Jun 2003 10:52:11 -0400  
From: Kenneth Hoglund <hoglund@wfu.edu>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>  
Subject: [152282] RE: International QRP Day  
Message-ID: <3EE8939B.615E4A5C@wfu.edu>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii  
Content-Transfer-Encoding: 7bit



Dick--

Thanks for clarifying the date, but I've not seen this before on N2CQ's excellent overview of qrp-interest events. Any details or websites we can visit to get the rules of engagement?

73

Ken KG4FGC

-----  
Date: Thu, 12 Jun 2003 09:19:37 -0700  
From: "Doug Hendricks" <ki6ds@dph.dpol.net>  
To: <qrp-1@Lehigh.EDU>  
Subject: [152283] AmQRP Club NorCal Keyer Current Consumption Info  
Message-ID: <002601c330fe\$6b33f720\$4a0b0d0a@dph.dpol.net>  
MIME-Version: 1.0  
Content-Type: text/plain;  
          charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Guys, when we designed the board for the NorCal Keyer, we realized that a lot of builders would be putting them in rigs that have a 12V power supply. The chip needs to run on less than 5.5V, so we put a 5V regulator on the board, and supplied one with the kit. Of course, there is no free lunch, and this causes the current draw to go up. But we figured that it would not be a problem since most guys have batteries with adequate reserves, or use the shack power supply. If you want the keyer to run stand alone and are not worried about current draw, use the 78L05 supplied and a 9V battery. It should run for a couple of weeks or so, leaving it on all the time. If current consumption is a concern, as well as weight and size, run it off a pair of AAA batteries. To do this you will need to put a jumper in place of the input and output of the 78L05, i.e. the left hole to the right hole, bypassing the middle hole of the layout. It should last a long, long time.

But the point is, that the kit was designed to make it easy to use as a stand alone keyer, as well as install in the rig of your choice. Hope this clears up any problems that you may have had. 72, Doug

-----  
Date: Thu, 12 Jun 2003 13:19:32 -0400  
From: Alex <kr1st@amsat.org>  
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [152284] Stealthy HF Coat Hanger Antenna  
Message-ID: <3EE8B624.B3F1EAEA@amsat.org>  
MIME-version: 1.0  
Content-type: text/plain; charset=us-ascii  
Content-transfer-encoding: 7bit

Hi there,

I just put a web page up with a description and pictures of my stealthy HF coat hanger antenna:

<http://www.kr1st.com>

The page is rather big due to the large number of pictures, so it may take a minute to download on a slow link.

73,  
--Alex KR1ST

-----  
Date: Thu, 12 Jun 2003 13:53:46 -0400  
From: "David Hinerman" <WD8CIV@worldnet.att.net>  
To: "qrp-l" <qrp-l@lehigh.edu>  
Subject: [152285] RE: AmQRP Club NorCal Keyer Current Consumption Info  
Message-ID: <000101c3310b\$92881920\$7a032a0a@nyroc.ametek.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
                charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Doug,

I think maybe I owe you an apology. My discussion on the list about minimizing current on the keyer kit weren't meant to imply that it's deficient. It's anything but! As you point out, it was designed for either standalone tabletop use or for inclusion in a 12 volt radio. It's an excellent design for those purposes.

My purpose was to see how easily it could be modified for low voltage, low current portable applications. I never expected it to run like that out of the box. The fact that it does so well with such minor changes is a tribute to the designers.

So if I seemed to be critical, I'm sorry. I'm very impressed with this little board.

Dave

-----  
David Hinerman WD8CIV  
wd8civ@worldnet.att.net

> -----Original Message-----

> From: owner-qrp-1@Lehigh.EDU [mailto:owner-qrp-1@Lehigh.EDU] On Behalf Of  
> Doug Hendricks

> Sent: Thursday, June 12, 2003 12:20 PM

> To: Low Power Amateur Radio Discussion

> Subject: AmQRP Club NorCal Keyer Current Consumption Info

>

>

> Guys, when we designed the board for the NorCal Keyer, we realized that a  
> lot of builders would be putting them in rigs that have a 12V  
> power supply.

> The chip needs to run on less than 5.5V, so we put a 5V regulator on the  
> board, and supplied one with the kit. Of course, there is no free lunch,  
> and this causes the current draw to go up. But we figured that  
> it would not

> be a problem since most guys have batteries with adequate reserves, or use  
> the shack power supply. If you want the keyer to run stand alone and are  
> not worried about current draw, use the 78L05 supplied and a 9V  
> battery. It

> should run for a couple of weeks or so, leaving it on all the time. If  
> current consumption is a concern, as well as weight and size, run it off a  
> pair of AAA batteries. To do this you will need to put a jumper  
> in place of

> the input and output of the 78L05, i.e. the left hole to the right hole,  
> bypassing the middle hole of the layout. It should last a long,  
> long time.

>

> But the point is, that the kit was designed to make it easy to use as a  
> stand alone keyer, as well as install in the rig of your choice.

> Hope this

> clears up any problems that you may have had. 72, Doug

>

-----  
Date: Thu, 12 Jun 2003 13:08:17 -0500 (CDT)

From: Dale Botkin <dale@botkin.org>

To: Doug Hendricks <ki6ds@dph.dpol.net>

Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>

Subject: [152286] Re: AmQRP Club NorCal Keyer Current Consumption Info

Message-ID: <Pine.LNX.4.33.0306121255150.8521-1000000@madmax.botkin.org>

MIME-Version: 1.0  
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Thu, 12 Jun 2003, Doug Hendricks wrote:

> But the point is, that the kit was designed to make it easy to use as a  
> stand alone keyer, as well as install in the rig of your choice. Hope this  
> clears up any problems that you may have had. 72, Doug

Doug et al,

I agree, and thanks for the information. I probably sounded like I was being critical; that was absolutely not my intent. I've been accused of being blunt at times... though I have had all of those accusers disposed of, they may have been at least partially correct. 8-)

The 78L05 regulator is not a bad approach for setups with a few mA to spare, like a rig running off rechargeable batteries or a power supply. There are more efficient regulators, but they're also more expensive and most take up more room or require more board space, or both. My only real point was that for a standalone keyer, 2 or 3 AAA cells are definitely the best way to go, and should probably last almost as long as they would on the shelf.

My real concentration lately has been reducing power consumption in a couple of PIC projects, so my comments regarding certain combinations sucking a lot of current should be taken in that context. For the past couple of months I have been regarding 1mA as "a lot of current". Sorry if I sounded critical, I really didn't mean to. Having written PIC keyer code myself, I am acutely aware that wedging that much functionality into that little hardware is an exercise in compromise!

72,  
Dale - N0XAS

--

It's a thankless job, but I've got a lot of Karma to burn off.  
Get a PicoKeyer: <http://www.hamgadgets.com>

-----  
  
Date: Thu, 12 Jun 2003 15:18:14 -0300  
From: "Leigh Hawkes" <[leighhawkes@ns.sympatico.ca](mailto:leighhawkes@ns.sympatico.ca)>  
To: <[qrp-1@Lehigh.EDU](mailto:qrp-1@Lehigh.EDU)>  
Subject: [152287] Re: head phones  
Message-ID: <000301c3310e\$fdb31120\$6400a8c0@leighck46i9ilt>  
MIME-Version: 1.0  
Content-Type: text/plain;

charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

In my experience, for serious radio communications, you really should be using proper communications headphones. The headphones sold in department stores are not the right stuff. Their frequency response is all wrong for communications work. Of course you get sound out of them, but there is more to it than that.

73,  
Leigh, VE1GA

-----  
Date: Thu, 12 Jun 2003 14:22:03 -0400  
From: "David Hinerman" <WD8CIV@worldnet.att.net>  
To: "qrp-1" <qrp-1@lehigh.edu>  
Subject: [152288] Atlanta bound  
Message-ID: <000301c3310f\$85e120a0\$7a032a0a@nyroc.ametek.com>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Folks,

I'll be in Atlanta next Thursday and Friday, at a meeting in the downtown area. Any interesting radio-related places I should be aware of?

Dave

-----  
David Hinerman WD8CIV  
wd8civ@worldnet.att.net

-----  
Date: Thu, 12 Jun 2003 12:39:06 -0700  
From: "Bill Linn" <blinn@smgazette.com>  
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>  
Subject: [152289] Re: NorCal Keyer Kit power consumption  
Message-ID: <00a801c33121\$c6f91400\$b070ef42@wa7tqk>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

I've used Chuck's PK3 and PK Basic chips for several years, built several for code class guys. The the process evolved to the point of using two small 1.5 alkline batteries (tripple and double A's and some stacked wafer types like those found in the little key-chain laser pointers) with no regulator. (I build the battery holder Manhattan Style, using copper clad board tabs soldered right to the ground plane and isolated where necessary using a Dremel tool to cut through the copper plate.) Battery life (current drain) is no concern. (Just don't try to power it with higher voltage than the regulator output and you'll be fine. It wouldn't work at all with a 1.5 battery either.)

I've never put a switch in to turn off the power completely. I have one PK3 that I use daily and the battery hasn't been changed in a couple of years. I do put switch in the sidetone for the PK Basic because sidetone state isn't controlled by menu.

I would expect the same performance from the NorCal Keyer kit although I haven't compared it with Chuck's other offerings. At any rate, I'm sure it is a great value and will become one of your favorites.

Bill - WA7TQK

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[SMGazette.com E-mail is scanned for viruses by Declude Virus]  
[Visit us on the web at SMGazette.com]

-----

Date: Thu, 12 Jun 2003 17:32:10 -0400  
From: "John P. Cummins, Sr." <jpcummins@charter.net>  
To: qrp-1@lehigh.edu  
Subject: [152290] Re: The fun starts tomorrow - Friday June 13, 2003  
Message-ID: <3EE8F15A.1020908@charter.net>  
MIME-Version: 1.0  
Content-Type: text/plain; charset=us-ascii; format=flowed  
Content-Transfer-Encoding: 7bit

Thanks for the plug John.. glad to help.

That is actually a "Power/INDICATOR" Guard. The indicator is for low voltage.. it turns on an LED when your battery gets down to 11 volts so you will know it is time to change batteries.

Most of us use a NoGa PiG all the time.

Pickett, AD4S

Remember also that it has real estate for a K1EL keyer and a static hiss filter. We don't provide the parts but all the information for these 2 components is in the documentation.

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Date: Thu, 12 Jun 2003 17:33:41 -0400  
From: Rick McKee <kc8aon@juno.com>  
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU  
Subject: [152291] Yaesu FT-7100R info  
Message-ID: <20030612.173347.9166.0.kc8aon@juno.com>

Can someone tell me how to unlock the keypad on the Yaesu FT-7100R ? I misplaced the manual, and need to input some frequencies !

72/73 de: Rick McKee, KC8AON <> Willow Wood, Ohio <> Grid: EM88rl  
SW 40+, HW-8, Yaesu FT-7, Homebrew 6V6 tube TX & Hallicrafters SW500 RX  
QRP-L #2112, FPqrp #33, AR QRP #269  
QRP'ers DEPEND ON SKILL - NOT RAW POWER !

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Date: Thu, 12 Jun 2003 15:04:15 -0700  
From: "George Heron N2APB" <n2apb@erols.com>  
To: "EPA-QRP" <EPA-QRP@yahooogroups.com>, "NJQRP" <njqrp@njqrp.org>,  
"NoVAQRP" <NoVaQRP@topica.com>, "QRP-L" <qrp-l@lehigh.edu>  
Subject: [152292] NorCal Keyer pics posted  
Message-ID: <005401c3312e\$9360b0f0\$2846cfd8@GHLTP4>  
MIME-Version: 1.0  
Content-Type: text/plain;  
charset="iso-8859-1"  
Content-Transfer-Encoding: 7bit

Take a look at the neat pics we now have on the NorCal Keyer web page! Ed Roswell, K2MGM from the NJQRP Club contributed these nice shots.

<http://www.amqrp.org/kits/NCKeyer/index.html>

These photos, plus the very useful Quick Reference Chart we put up there yesterday, have so inspired me to get my own NC Keyer project built up, now that I'm home from biz travel for a long weekend. Should go together in 30 minutes and I'll be on the air this evening.

73, George N2APB  
n2apb@amsat.org

PS: I've given the AmQRP home page ([www.amqrp.org](http://www.amqrp.org)) a new face, with larger fonts and generally easier to read. Thanks for everyone's suggestions along the way!

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End of QRP-L Digest 2949

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